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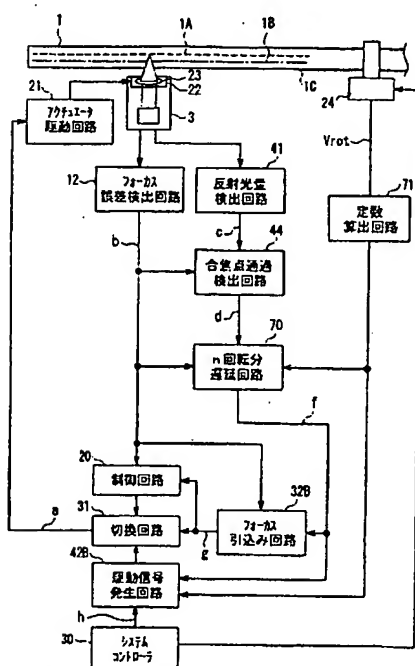
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(54) Title: OPTICAL DISC CONTROLLER

(54) 発明の名称: 光ディスク制御装置





SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

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添付公開書類:

— 国際調査報告書

2文字コード及び他の略語については、定期発行される
各PCTガゼットの巻頭に掲載されている「コードと略語
のガイダンスノート」を参照。

(57) 要約:

複数の情報面を有する光ディスクの目標情報面に対して短時間でフォーカス引き込みを行うことの可能な光ディスク制御装置を提供する。駆動信号発生回路の出力信号で対物レンズを複数の情報面を有する光ディスクに近づけていき、合焦点通過検出回路により最初の合焦点位置の通過が検出され、その位置からさらに所定量だけ対物レンズが光ディスクに近づくと、 n 回転分遅延回路が反転指令 f を出力し、対物レンズの向きを変えて光ディスクから遠ざけた後、フォーカス引き込み回路が、アクチュエータ駆動回路に出力する信号 a を、駆動信号発生回路から制御回路の出力信号に切り換えると共に、制御回路を起動してフォーカス引き込みを行う。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005510

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G11B7/085, 7/125

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G11B7/085, 7/125

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 10-27357 A (Kenwood Corp.), 27 January, 1998 (27.01.98), Full text; Figs. 1 to 15 (Family: none)	1-18
A	JP 11-167727 A (Sony Corp.), 22 June, 1999 (22.06.99), Full text; Figs. 1 to 13 (Family: none)	1-18
A	JP 11-265511 A (Sony Corp.), 28 September, 1999 (28.09.99), Full text; Figs. 1 to 5 (Family: none)	1-18

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
12 May, 2004 (12.05.04)Date of mailing of the international search report
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Japanese Patent Office

Authorized officer

INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-373431 A (Kabushiki Kaisha Hitachi LGData Storage), 26 December, 2002 (26.12.02), Full text; Figs. 1 to 13 (Family: none)	1-18